

1.(Currently Amended) A polyester comprising at least one pendant and/or terminal group which can be activated with actinic radiation, ~~preparable by reacting comprising the reaction product of at least one of~~

1. a polyester (i) containing at least one of a pendant and/or terminal hydroxyl group reacted with at least one of carboxylic acid (i) or at least and one ester (i) of a carboxylic acid (i)each containing at least one bond which can be activated with actinic radiation, or and
2. a polyester (ii) containing at least one of a pendant and/or terminal carboxylic acid group or and at least one a pendantand/or terminal carboxylic ester group reacted with at least one hydroxyl-containing compound (ii) containing at least one bond which can be activated with actinic radiation

in the presence of at least one of an organism and/or an enzyme which catalyzes the transesterification or esterification.

2. (Currently Amended) The polyester as claimed in claim 1, wherein the enzyme is selected from the group consisting of the hydrolases [EC 3.x.x.x].

3. (Currently Amended) The polyester as claimed in claim 2, wherein the hydrolases [EC 3.x.x.x], are selected from the group consisting of esterases [EC 3.1.x.x] and proteases [EC 3.4.x.x].

4. (Original) The polyester as claimed in claim 3, wherein the hydrolases are carboxyl ester hydrolases [EC 3.1.1.x].

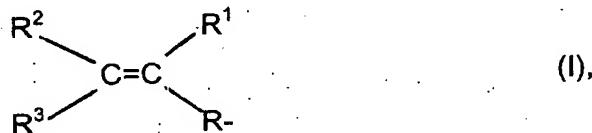
5. (Original) The polyester as claimed in claim 4, wherein the hydrolases are lipases.

6. (Currently Amended) The polyester as claimed in claim 5, wherein the lipases are obtainable obtained-from at least one of Achromobacter sp., Aspergillus sp., Burkholderia sp., Candida sp., Mucor sp., Penicillium sp., Pseudomonas sp., Rhizopus sp., Thermomyces sp. Or and porcine pancreas.

7. (Currently Amended) The polyester as claimed in any of claims 1 to 6 claim 1, wherein the organisms are selected from the group consisting of naturally

occurring microorganisms, or genetically modified microorganisms, single-cell life forms or and cells which comprise at least one enzyme which catalyzes the transesterification or esterification.

8. (Original) The polyester as claimed in claim 7, wherein the organisms are selected from the group consisting of Achromobacter sp., Aspergillus sp., Burkholderia sp., Candida sp., Mucor sp., Penicillium sp., Pseudomonas sp., Rhizopus sp., Thermomyces sp., and cells from porcine pancreas.
9. (Currently Amended) The polyester as claimed in ~~any of claims 1 to 8~~claim 1, wherein the carboxylic acid (i), the carboxylic ester (i), and the hydroxyl-containing compound (ii) each contain a bond which can be activated with actinic radiation.
10. (Currently Amended) The polyester as claimed in ~~any of claims 1 to 9~~claim 1, wherein the bond which can be activated with actinic radiation is at least one of a carbon-carbon double bond and/or a triple bond.
11. (Original) The polyester as claimed in claim 10, wherein the bond which can be activated with actinic radiation is a carbon-carbon double bond.
12. (Currently Amended) The polyester as claimed in ~~any of claims 1 to 11~~claim 1, wherein the carboxylic acid (i) is a monocarboxylic acid and the hydroxyl-containing compound (ii) contains a primary hydroxyl group.
13. (Currently Amended) The polyester as claimed in ~~any of claims 10 to 12~~claim 1, wherein the bond which can be activated with actinic radiation is present in groups of the general formula I:



in which the variables are defined as follows:

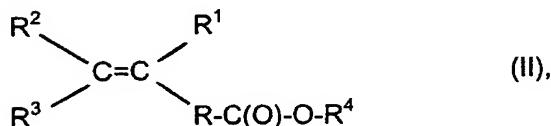
R is a bonding electron pair between the olefinic carbon atom and the carbon atom of a carboxyloxy group and linking organic radical; and

R^1 , R^2

and R^3 are hydrogen atoms or organic radicals;

it being possible for at least two of the radicals R , R^1 , R^2 , and R^3 to be linked cyclically to one another.

14. (Currently Amended) The polyester as claimed in ~~any of claims 1 to 13~~ claim 13, wherein the carboxylic acids (i) or carboxylic esters (i) and the hydroxyl-containing compounds (ii) are selected from the group consisting of compounds of the general formula II:



in which the variables R , R^1 , R^2 , and R^3 are as defined above and the variable R^4

1. in the case of the carboxylic acids (i) stands for a hydrogen atom and in the case of the carboxylic esters (i) for a hydroxyl-free, monovalent organic radical and
2. in the case of the hydroxyl-containing compounds (ii) stands for a hydroxyl-containing, monovalent organic radical.

15. (Original) The polyester as claimed in claim 14, wherein the monovalent organic radical R^4 comprises or consists of

1. in the case of the carboxylic esters (i) at least one radical selected from the group consisting of hydroxyl-free alkyl, cycloalkyl, and aryl radicals, and
2. in the case of the hydroxyl-containing compounds (ii) at least one radical selected from the group consisting of hydroxyl-containing alkyl, cycloalkyl, and aryl radicals.

16. (Currently Amended) The polyester as claimed in claim 14 ~~or 15~~, wherein the carboxylic acid (i) is acrylic acid, the carboxylic ester (i) is methyl acrylate, and the hydroxyl-containing compound (ii) is 4-hydroxybutyl acrylate.

17. (Currently Amended) A process for preparing a polyester as claimed in ~~any of claims 1 to 18~~ claim 1 comprising at least one of a pendant and/or a terminal group which can be activated with actinic radiation, ~~preparable by comprising reacting at least one of~~

1. a polyester (i) containing at least one of a pendant and/or terminal hydroxyl group reacted with at least one of a carboxylic acid (i) ~~or and at least one ester (i) of a carboxylic acid (i)~~ each containing at least one bond which can be activated with actinic radiation, ~~or and~~
2. a polyester (ii) containing at least one of a pendant and/or terminal carboxylic acid group or and at least one of a pendant and/or terminal carboxylic ester group reacted with at least one hydroxyl-containing compound (ii) each containing at least one bond which can be activated with actinic radiation

in the presence of a catalyst, the catalyst being at least one of an enzyme which catalyzes the transesterification or esterification ~~and/or at least one organism(s) which catalyzes(s)~~ the transesterification or esterification.

18. (Original) The process as claimed in claim 17, wherein the water produced during the esterification of the polyesters (i) and (ii) or the resultant hydroxyl-containing compounds is or are removed from the reaction mixture as they are forming or immediately after they have formed.

19. (Currently Amended) ~~The use of a polyester as claimed in any of claims 1 to 16 or of a polyester prepared by the process as claimed in claim 17 or 18 as or to prepare a~~ A composition curable with actinic radiation or both thermally and with actinic radiation (dual cure) ~~comprising a polyester as claimed in claim 1.~~

20. (Currently Amended) ~~The use as claimed in claim 19, wherein the curable composition is used as~~ A composition selected from the group consisting of a coating material, adhesive and or sealing compounds for producing a coating, adhesive films, or seals, or else for producing a moldings or and self-supporting film comprising the composition of claim 19.